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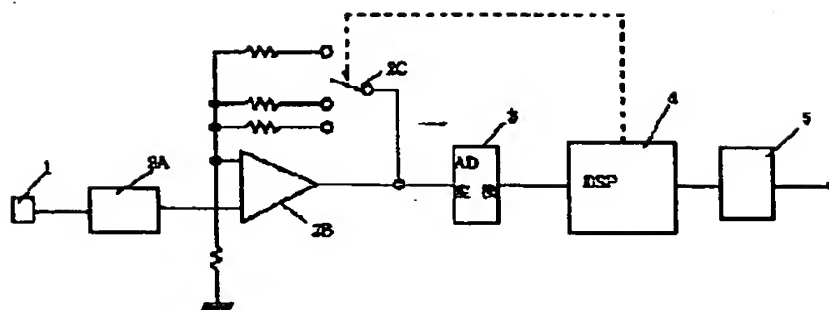
APPLICATION DATE : 31-05-93
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APPLICANT : SANYO ELECTRIC CO LTD;

INVENTOR : WATANABE TOSHIYUKI;

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TITLE : VOICE RECOGNITION DEVICE



ABSTRACT : PURPOSE: To improve the precision in recognition by using a voice recognition result and adjusting an input part.

CONSTITUTION: After a sound inputted from a microphone 1 is amplified by a preamplifier 2A and a variable gain amplifier 2B, is converted to a digital signal by an A/D converter 3 to be supplied to a digital signal processor(DSP) 4. After the digital signal is voice recognition processed in the DSP 4, is outputted from an interface circuit 5 through an optimum format or port. At this time, when no recognition succeeds, a signal adjusting an amplifier gain is outputted from the DSP 4, and a gain switching circuit 2C of the variable gain amplifier 2B is switched by the signal. That is, when no recognition succeeds, the circuit 2C is switched so as to increase the gain of the variable gain amplifier 2B. Further, since a success/a failure in recognition is a probable problem, a method feeding back the result by a human and the method, etc., probably learning in the DSP side 4 may be used also.

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